

OOFOTT" TBZhOzeO FIG. 3

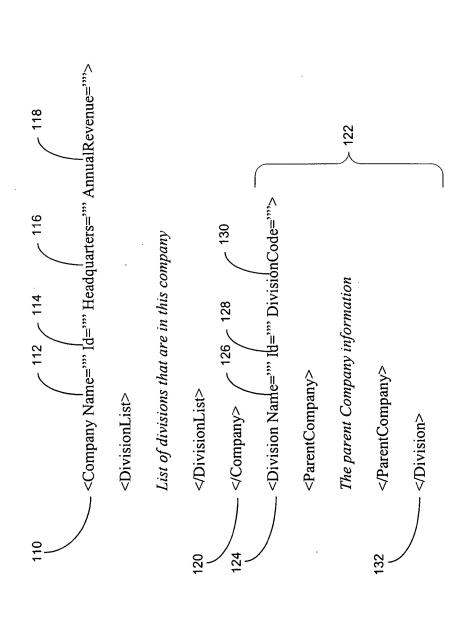


FIG. 4A

```
114
                                     112
                                                     118
110
       <Company Id="Company1" Name="Acme" AnnualRevenue="1,000,000"</p>
      Headquarters="Raleigh,NC">
        <DivisionList>
116
           <Division Id="Div1" Name="Development">
             <DepartmentList>
              <Department Id="Dept1" Name="Widgets">
 180
                 <EmployeeList>
                <Employee Id="Emp1" FirstName="Craig" LastName="Smith" HomeCity="Cary"</p>
             Salary="10,000">
                   <Boss>
   190
                     <Employee Idref="#Emp3"/>
                   </Boss>
  192
                </Employee>
               <Employee Id="Emp2" FirstName="John" LastName="Doe" HomeCity="Durham"</p>
      Salary="5,000">
                   <Boss>
<Employee Idref="#Emp3"/>
                   </Boss>
               </Employee>
               <Employee Id="Emp3" FirstName="Fred" LastName="Jones" HomeCity="Apex"</p>
             Salary="20,000">
               </Employee>
|
             </EmployeeList>
=
             <DepartmentHead>
<Employee Idref="#Emp1"/>
</DepartmentHead>
             </Department>
   196
             <Department Id="Dept2" Name="Widgets">
               <EmployeeList>
                   <Employee Id="Emp4" FirstName="Craig" LastName="Doe" HomeCity="Cary"</p>
             Salary="3,000">
                     <Boss>
                        <Employee Idref="#Emp6"/>
     198
                     </Boss>
                   </Employee>
                   <Employee Id="Emp5" FirstName="John" LastName="Smith"</p>
             HomeCity="Durham" Salary="15,000">
                     <Boss>
                        <Employee Idref="#Emp6"/>
                     </Boss>
                   </Employee>
```

(CONTINUED ON FIG. 4B)

```
200
                    <Employee Id="Emp6" FirstName="Fred" LastName="Adams"</p>
             HomeCity="Apex" Salary="26,000">
                    </Employee>
             </EmployeeList>
       <DepartmentHead>
             <Employee Idref="#Emp6"/>
       </DepartmentHead>
       </Department>
       </DepartmentList>
182
       </Division>
      </DivisionList>
       <SupplierList>
<Company Idref="#Company2"/>
       </SupplierList>
       <ConsumerList>
       <Company Idref=""#Company3"/>
       </ConsumerList>
       </Company>
       <Company Id="Company2" Name="BigCompany" AnnualRevenue="1,000,000,000"</p>
      Headquarters="Philadelphia, PA">
         <DivisionList>
<Division Id="BCDev" Name="Development">
             <DepartmentList>
               <Department Id="BCDept1" Name="Objects">
                 <EmployeeList>
                 <Employee Id="BCEmp1" FirstName="Craig" LastName="Jones"</p>
             HomeCity="Paoli" Salary="15,000">
                    <Boss>
                      <Employee Idref="#BCEmp3"/>
                    </Boss>
                </Employee>
                <Employee Id="BCEmp2" FirstName="John" LastName="Smith"</p>
       HomeCity="Cherry Hill" Salary="20,000">
                    <Boss>
                      <Employee Idref="#BCEmp3"/>
                    </Boss>
         </Employee>
```

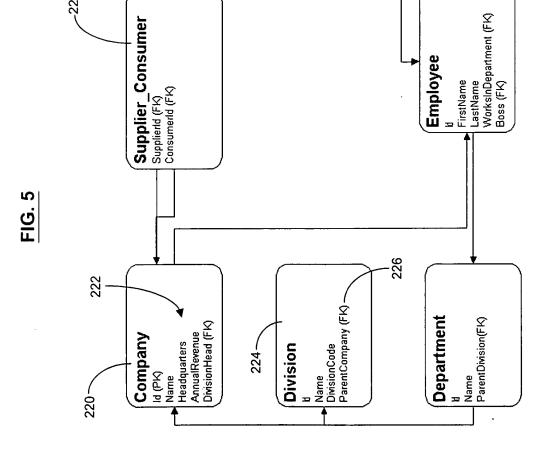
(CONTINUED ON FIG. 4C)

FIG. 4C

```
<Employee Id="BCEmp3" FirstName="Fred" LastName="Doe"</p>
      HomeCity="Reading" Salary="25,000">
         </Employee>
      </EmployeeList>
       <DepartmentHead>
        <Employee Idref="#BCEmp3"/>
      </DepartmentHead>
      </Department>
      <Department Id="BCDept2" Name="Relational">
        <EmployeeList>
            <Employee Id="BCEmp4" FirstName="Jill" LastName="Smith"</p>
      HomeCity="Pottstown" Salary="30,000">
              <Boss>
                 <Employee Idref="#Emp6"/>
              </Boss>
            </Employee>
            <Employee Id="BCEmp5" FirstName="Donna" LastName="Wild"</p>
      HomeCity="Newark" Salary="15,000">
               <Boss>
                 <Employee Idref="#BCEmp6"/>
               </Boss>
            </Employee>
            <Employee Id="BCEmp6" FirstName="Jane" LastName="Francis"</p>
      HomeCity="Dover" Salary="36,000">
            </Employee>
      </EmployeeList>
<DepartmentHead>
      <Employee Idref="#BCEmp6"/>
</DepartmentHead>
</Department>
</DepartmentList>
</Division>
</DivisionList>
<ConsumerList>
<Company Idref="#Company1"/>
</ConsumerList>
<SupplierList>
<Company Idref="#Company3"/>
</SupplierList>
</Company>
(CONTINUED ON FIG. 4D)
```

FIG. 4D

```
<Company Id="Company3" Name="SmallCompany" AnnualRevenue="100,000"</p>
      Headquarters="Cleveland, OH">
        <DivisionList>
           <Division Id="SCDiv1" Name="Development">
             <DepartmentList>
              <Department Id="SCDept1" Name="RD">
                 <EmployeeList>
                <Employee Id="SCEmp1" FirstName="Bob" LastName="Jones"</p>
             HomeCity="Canton" Salary="15,000">
                   <Boss>
<Employee Idref="#SCEmp2"/>
                   </Boss>
                </Employee>
               <Employee Id="SCEmp2" FirstName="John" LastName="Williams"</p>
      HomeCity="Akron" Salary="20,000">
             </Employee>
             </EmployeeList>
             <DepartmentHead>
               <Employee Idref="#SCEmp2"/>
늗
             </DepartmentHead>
</Department>
      </DepartmentList>
      </Division>
      </DivisionList>
      <SupplierList>
      <Company Idref=""#Company1"/>
      </SupplierList>
      <ConsumerList>
      <Company Idref="#Company2"/>
      </ConsumerList>
      </Company>
```



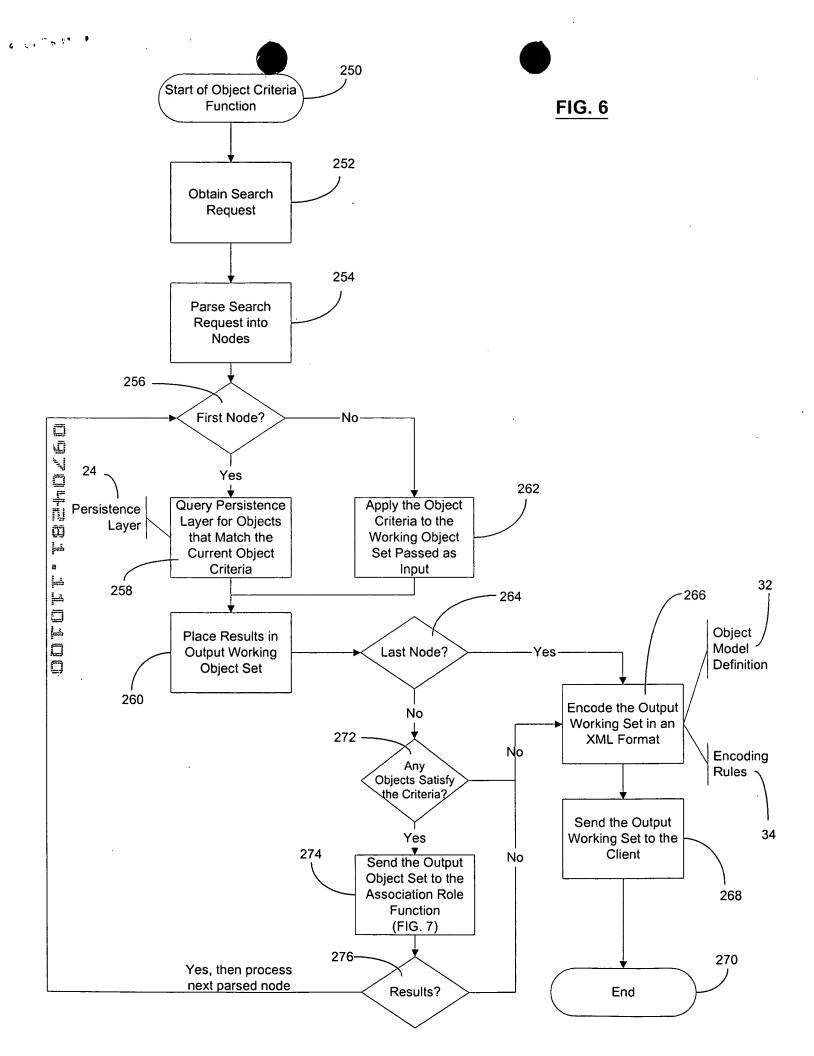


FIG. 7

